



The TCJ type clutches can also be sold in combination with customized housings.

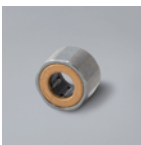


Product image

※ 1
The inserted direction determines
the locking direction.



Locking direction CCW



Locking direction CW

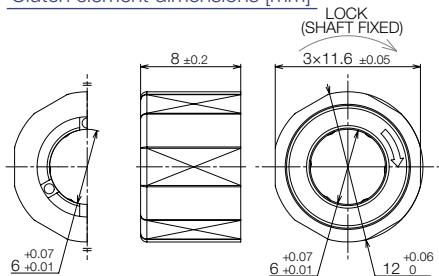
Features

- Can be press-fitted into housings of various shapes such as gears, pulleys, levers, cams, etc.
- Shafts with wide tolerances can be used, which can be expected to reduce the cost of shafts.
- No need to prepare bearings (built-in sintered bearings)
- Compact, high-torque, usable in high-temperature environments. (Permissible upper temperature limit: 140°C / 284°F.)
- Maintenance-free products that do not require additional lubrication.

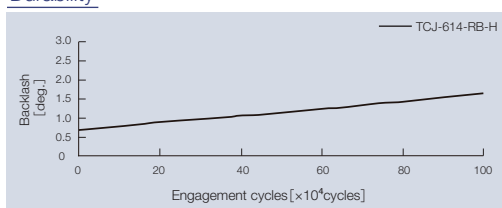
Standard specifications

Application shaft [mm]	Allowable torque [N·m] (lbf·in)	Free torque [mN·m] (lbf·in)	Backlash [°]	Locking direction (Shaft Fixed)	Product name
Φ6 $\begin{smallmatrix} 0 \\ -0.03 \end{smallmatrix}$	0.78(6.90)	2.94 (0.026) or less	2.5 or less	※ 1	TCJ-614-RB-H

Clutch element dimensions [mm]



Durability



Engagement cycles: 240 times / min

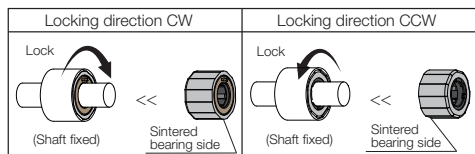
Oscillation angle: 30°

Radial load: 9.8N (1kgf)

Shaft material: Carbon tool steel

Shaft tolerance: Same as the application shaft

Surface hardness: 700Hv 0.1 or more



Components and materials

Outer sleeve	Hardened steel
Retainer	Super engineering plastic
Needle	Bearing steel
Spring	Stainless steel
Cap	Copper sintering

Housing design [mm]

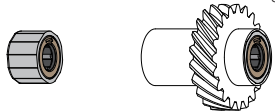
※ Material: POM recommended.

Outer diameter	Φ14 ≤
Width	8 ≤
Inner diameter	Φ6 $\begin{smallmatrix} 0.08 \\ -0.02 \end{smallmatrix}$

(When the housing has an inner diameter, a minimum width of 9 is required.)

Assembly

Can be offered in combination with housing.



Clutch element

Combination with housing

Operation temperature

0~140°C (32~284°F)

Recommended shaft

Material	Bearing steel • stainless steel • carbon tool steel
Surface hardness	600~800Hv 0.1 Effective hardening layer 0.1mm or more Plating deprecated
Shaft Diameter	Refer to the standard specifications

Recommended shaft
specification

